



State of Utah  
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November 7, 2000

TO:

[REDACTED]

THRU:

Bill Malencik, Inspector

SM for Bill  
[Signature]

FROM:

Paul Baker, Reclamation Biologist

RE:

Reclamation Seed Mixes, Plateau Mining Corporation, Star Point Mine,

[REDACTED]

On August 30, 2000, I met with Johnny Pappas and discussed with him and his seed vendor the seed mixes that will be used for revegetation at the Star Point Mine. Five species in two seed mixes are not available this year.

For the Corner and Mudwater Canyon portals, Pacific aster and alpine timothy (*Aster chilensis* and *Phleum alpinum*) are not available. We decided goldeneye (*Vigueira multiflora*) and regular timothy (*Phleum pratense*) would be used instead.

Winterfat, Castle Valley clover, and mat saltbush (*Ceratoides lanata*, *Atriplex cuneata*, and *Atriplex corrugata*) are not available for the Mancos Shale areas. These species are all desirable, are adapted to the site, and two of the three grow well in reclamation settings. The seed mix already includes fourwing saltbush and shadscale (*Atriplex canescens* and *Atriplex confertifolia*), so we decided to include trident saltbush (*Atriplex tridentata*) and Gardner saltbush. There are several subspecies of Gardner saltbush, including Castle Valley clover, but the subspecies the seed vendor referred to is most likely *Atriplex gardneri* Var. *gardneri*. This subspecies is adapted to the area and has been used in reclamation at nearby similar sites. Trident saltbush is adapted to swales in saline soils, and although it will probably not become widespread in the reclaimed area, it will probably occupy specific habitats.

sm

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